

IN THE CLAIMS:

The following is a complete listing of claims in this application:

42. (previously presented) A process for coating the rolls of a twin-roll continuous casting machine comprising:

applying to said rolls at least one release product containing a release agent in a carrier fluid, and

adjusting said release product to increase or decrease amount of the release agent therein while it is applied to said rolls based on at least one measured parameter, while maintaining a substantially uniform distribution of the release product on the rolls.

43. (previously presented) A process according to claim 42, additionally comprising maintaining a constant flow of said release product.

44. (previously presented) A process according to claim 42, wherein the release product is a suspension, a solution or a mixture thereof.

45. (previously presented) A process according to claim 42, wherein the release agent includes graphite.

46. (previously presented) A process according to claim 42, wherein the carrier fluid includes water.

47. (previously presented) A process according to claim 42, wherein said adjusting comprises a dilution of a concentrate of release agent in said carrier fluid.

48. (previously presented) A process according to claim 47, wherein said concentrate is a mother suspension, a concentrated solution or a mixture thereof.

49. (previously presented) A process according to claim 47, wherein said concentrate is selected from the group consisting of concentrated suspensions of graphite, boron nitride, colloidal silica, magnesia, organic products and

mixtures thereof.

50. (previously presented) A process according to claim 47, wherein said concentrate is a graphite gel containing between 20 and 30% by weight of graphite.

51. (previously presented) A process according to claim 42, wherein said adjusting is carried out retroactively as a function of a measurement carried out on said casting machine.

52. (previously presented) A process according to claim 51, wherein the machine includes a regulation loop.

53. (previously presented) A process according to claim 51, wherein said measurement is selected from the group consisting of optical, laser, infrared, vibration, and mechanical tension measurements.

54. (previously presented) A process according to claim 42, wherein said adjusting is carried out in an automated manner.

55. (previously presented) A process for twin-roll continuous casting of metal strip including a coating process according to claim 42.

56. (previously presented) A process according to claim 55, wherein casting is of metal strip selected from the group consisting of aluminum, aluminum alloy, copper and copper alloy strip.

57. (previously presented) A process for regulating a machine for twin-roll continuous casting of metal strip, comprising:

applying to rolls of the machine at least one release product containing a release agent in a carrier fluid, and adjusting said release product to increase or decrease amount of the release agent therein while it is applied to said rolls based on at least one measured parameter, while maintaining a substantially uniform distribution of the

release product on the rolls.

58. (previously presented) A process according to claim 57, wherein said adjusting is carried out as a function of the operating conditions of said machine.

59. (previously presented) A process according to claim 57, wherein said adjusting is carried out retroactively as a function of measurement carried out on said casting machine.

60. (previously presented) A process according to claim 59, wherein the machine includes a regulation loop.

61. (previously presented) A process according to claim 59, wherein said measurement is selected from the group consisting of optical, laser, infrared, vibration, and mechanical tension measurement.

62. (previously presented) A process according to claim 55, wherein said adjusting is carried out in an automated manner.

63. (new) In a process comprising continuously casting metal strips between rolls of a twin roll casting machine in which sticking of metal on the rolls is detected and a release product comprising a release agent in a carrier fluid is sprayed onto the rolls,

the improvement comprising increasing the concentration of the release agent in the carrier fluid when sticking is detected.